

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/14261

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L27/36 H03C3/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L H03C H03D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ, IBM-TDB, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 111 155 A (KEATE CHRISTOPHER R ET AL) 5 May 1992 (1992-05-05) abstract column 2, line 35 - line 67 column 5, line 45 - line 52 column 6, line 26 - line 36 figures 5,6A	1-7
Y	WO 01 63760 A (MOTOROLA INC) 30 August 2001 (2001-08-30) abstract page 2, line 6 - line 28 page 3, line 4 - line 12 figure 2	1-7

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

*Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

23 March 2004

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26/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 240 142 B1 (APARIN VLADIMIR ET AL) 29 May 2001 (2001-05-29) abstract column 4, line 48 -column 5, line 6 column 5, line 65 -column 6, line 32 column 8, line 40 - line 43 figure 2 —	1-7
A	US 5 438 301 A (MONTGOMERY ROBERT K ET AL) 1 August 1995 (1995-08-01) abstract column 1, line 49 -column 2, line 7 —	1-7

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Information on patent family members

International application No
PCT/EP03/14261

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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